

## MONITOR/PIEZOMETER WELL

FILING FEE \$10.00

ARIZONA DEPARTMENT OF WATER RESOURCES  
OPERATIONS DIVISION

500 NORTH THIRD STREET

PHOENIX, ARIZONA 85004 (602) 417-2470

## NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

MONITOR/PIEZOMETER  
DEPARTMENT OF WR  
FILING FEE \$

FEB 2 1995

0824-3

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

## 1. WELL LOCATION:

4 NS 9 EW 28  
Township Range Section  
SE 1/4 NW 1/4 SE 1/4  
10 ACRE 40 ACRE 160 ACRE

## 2. Position location of the well on the land:

Latitude 33 0 2.55"  
Longitude 111 0 25.40"

## 3. County: Pinal

## 4. Owner of the land of wellsite:

Magma Copper Company  
Name  
7400 N. Oracle Rd., Ste. 200  
Address  
Tucson AZ 85704  
City State Zip

## 5. Lessee of the land of wellsite:

Name  
Address  
City State Zip

## 6. Owner of well:

Magma Copper Company  
Name  
7400 N. Oracle Rd., Ste. 162  
Address  
Tucson AZ 85704  
City State Zip

## 7. Consulting Firm: BC

Contact Person: Steve Mellon

Phone: 602-222-4445

## 8. Purpose of well drilled pursuant to this notice

Monitor X

Piezometer

## 9. If for deepening or modifying, Well Registration Number

55-

## 10. Construction will start:

February 1995  
Month Day Year

## 11. Period well will remain in

use 3 Months/Years

## 12. For monitoring wells, is pump equipment to be installed?

Yes No X

(a) If yes, design pump capacity

(b) What use will be made of the water

## 13. Drilling firm:

Boyles Brothers Drilling  
Name  
6527 W. Northview Ave.Address  
Glendale AZ 85301  
City State ZipDWR License No. 28  
Class A-04  
076-386-002  
ROC License classification

## 14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material or petroleum storage areas and tanks?

Yes No X

## 16. Proposed method of abandonment of well after project is completed: According to Regulation R-12-15-816

## 17. Is this well to monitor existing contamination? No Potential contamination Please explain:

## GENERAL INSTRUCTIONS

- Fill out this form in **DUPLICATE** and send **WITH \$10.00 FEE** to 500 NORTH THIRD STREET, PHOENIX, AZ 85004
- For specific instructions, limitations and conditions, see the reverse side of this form.
- Must be signed by land owner or lessee.
- Section §45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may not proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

Dan S. Ramey  
Typed or Printed Name

*Dan S. Ramey*  
Signature [ ] Land Owner [ ] Lessee of wellsite

1/31/95  
Date

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact? \_\_\_\_\_  
If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact? \_\_\_\_\_

19. WELL CONSTRUCTION PLAN

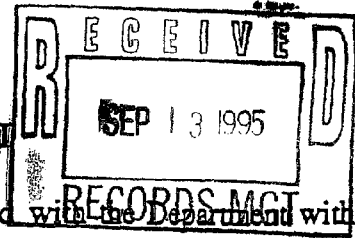
- a) Drilling method (mud rotary, hollow-stem auger, etc.) Mud Rotary
- b) Borehole diameters: 13 3/4 inches from 0 feet to 20 feet.  
8 3/4 inches from 20 feet to 835 feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)  
material Steel diameter 9 5/8 inches from 0 feet to 20 feet  
material Schd 80 PVC diameter 4 inches from 0 feet to 750 feet
- d) Method of sealing at reductions \_\_\_\_\_
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated)  
material Cement Grout method Tremie from 0 feet to 20 feet  
material Bentonite Grout method Tremie from 20 feet to 740 feet
- f) Filter packs (state material):  
material Colorado Silica Sand from 740 feet to 835 feet  
material #6-g Mesh from \_\_\_\_\_ feet to \_\_\_\_\_ feet
- g) Perforations or screen specifications:  
type .080 inch slot PVC Schd 80 from 750 feet to 825 feet  
type \_\_\_\_\_ from \_\_\_\_\_ feet to \_\_\_\_\_ feet
- h) Method of well development (bail, air lift, surge) Air Lift and Jetting
- i) Will surface or conductor casing extend above grade: Yes \_\_\_\_\_ No X

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

CONDITIONS

- I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual volume of 10 acre feet total.
- V. A.A.C. Rule R12-15-811.H.2, requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."
- VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821: \_\_\_\_\_

Operations Division  
500 North 3rd Street  
Phoenix, Arizona 85004



## WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 following completion of the well.

1. Owner Name: MAGMA COPPER COMPANY  
Address: 14605 W. HUNT HIGHWAY FLORENCE AZ 85232  
Street City State Zip
2. Driller Name: STEWART BROTHERS DRILLING COMPANY  
Address: P.O. BOX 2067 MILAN NM. 87021  
Street City State Zip
3. Location: 4 N/S 9 (E/W) 28 1/4 SE 1/4 NW 1/4 SE  
Township Range Section 10-acre 40-acre 160-acre
4. Well Registration No. 55- 547806 (Required)
5. Permit No. \_\_\_\_\_ (If issued)

## DESCRIPTION OF WELL

6. Total depth of hole 519 ft.
7. Type of casing Sch. 40 LES, Sch. 80 PVC
8. Diameter and length of casing 6 5/8 in. from -1.5 to 18.5, 6 5/8 in from 18.5 to 507
9. Method of sealing at reduction points \_\_\_\_\_
10. Perforated from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_
11. Size of cuts \_\_\_\_\_ Number of cuts per foot \_\_\_\_\_
12. If screen was installed: Length 99 ft. Diam 6 5/8 in. Type Sch. 80 PVC, 0.080" SL
13. Method of construction DRILLED  
(drilled, dug, driven, bored, jetted, etc)
14. Date started JUNE 27 1995  
Month Day Year
15. Date completed JUNE 29 1995  
Month Day Year
16. Depth to water 130 ft. (If flowing well, so state)
17. Describe point from which depth measurements were made, and give sea-level elevation if available  
G.L.
18. If flowing well, state method of flow regulation: \_\_\_\_\_
19. Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

Registration No. D(4-9)28 DAB  
File No. \_\_\_\_\_  
Received \_\_\_\_\_ By \_\_\_\_\_  
**ENTERED SEP 13 1995**  
Entered \_\_\_\_\_ By \_\_\_\_\_

# LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If is artesian, indicate depth at which encountered, and depth to which it rose in well.

[illegible]

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name:

P.O. Box 2067

Street

City Chicago State Ill.

9  
Date

State

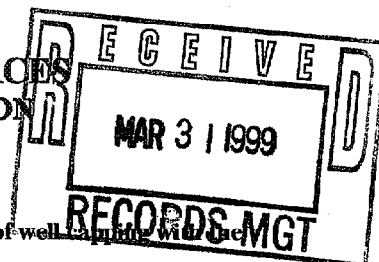
210

Phone No.

Date 2/2

P28.2-0

ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION  
P O BOX 458, PHOENIX, ARIZONA 85001-0458  
PHONE: (602) 417-2470



Arizona Revised Statute §45-594 and A.A.C. R12-822: The owner of an open well shall file a notice of well capping with the Department in writing no later than five days after the well is capped.

**NOTICE OF WELL CAPPING**

1. LEGAL DESCRIPTION OF THE LOCATION OF WELL:

a. Township 4S  
b. Range 9E  
c. Section 28  
SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  SE  $\frac{1}{4}$   
10 Acre 40 Acre 160 Acre

2. WELL REGISTRATION NUMBER:

55- 547806

File No: 0(4.9)28ddb

3. OWNER OF THE WELL:

BHP Copper  
Name  
14605 East Hunt Hwy  
Address  
Florence AZ 85232  
City State Zip  
(520) 868-5090  
Telephone Number

4. PERSON INSTALLING THE CAP:

Richard Stichling  
Name  
14605 East Hunt Hwy  
Address  
Florence AZ 85232  
City State Zip  
(520) 868-5311  
Telephone Number

5. DATE WELL WAS CAPPED:

1996

6. METHOD OF CAPPING:

① Watertight well  
cap ② Vault with  
locking cap

7. TYPE AND DIAMETER OF CASING:

Type of Well Casing: Sch 40  
LC5, Sch 80 PVC  
Diameter of Well Casing: 6 5/8"

8. COMMENTS

I state that this Notice is filed in compliance with A.R.S. §45-594 and A.A.C. R12-15-822, and is complete and correct to the best of my knowledge and belief.

9. Signature

Walla Hoag

Date

3/30/99

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**REQUEST FORM TO CHANGE WELL INFORMATION  
OWNERSHIP \* DRILLER \* VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.  
**NOTE:** A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

**1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)**

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 347806 FILE NO: D(4-9)28 DDB

If known, I/We request the following well information be changed: \_\_\_\_\_

NAME CHANGE ONLY

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

**2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)**

**NOTE:** If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

\_\_\_\_\_ ¼ \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 Acre 40 Acre 160 Acre

Well Registration No. 55- See attached File No.: \_\_\_\_\_ (if known)

Magma Copper Company  
**PRINT** Previous Owner's Name

BHP Copper Inc.  
**PRINT** New Owner's Name

7400 North Oracle Road, Suite 200  
Mailing Address

7400 North Oracle Road, Suite 200  
Mailing Address

Tucson Arizona 85704  
City State Zip

Tucson Arizona 85704  
City State Zip

520-575-5600  
Telephone Number

520-575-5600  
Telephone Number

Signature of Previous/New Well Owner By: [Signature]  
Title: Land Manager

Date 4-23-96

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**3. REQUEST TO CHANGE WELL DRILLER     \$10.00 FEE REQUIRED FOR EACH WELL**

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- \_\_\_\_\_ File No: \_\_\_\_\_

\_\_\_\_\_  
Original Well Driller

\_\_\_\_\_  
New Well Driller

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
Typed or Printed Name of Well Owner

\_\_\_\_\_  
Signature of Well Owner

\_\_\_\_\_  
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

**4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)**

**NOTE:** If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- \_\_\_\_\_ FILE NO: \_\_\_\_\_

**I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:**

Signature of Well Owner/Well Driller \_\_\_\_\_ Date \_\_\_\_\_

## NAME: MAGMA COPPER CO

GRID: G 09

REPORT NO: WL9020

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT  
OPERATIONS DIVISION

PAGE 5,078

REPORT DATE: 1/31/96

\*\*\*\* WELLS SEQUENCED BY ALPHABETICAL ORDER \*\*\*\*

FULL-NAME	Q U A D	T O W N	R N G	S E C	Q T R 1 2 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WATER LEVEL	PUMP (GPM)	WELL DRILL DATE	DRL LIC NO.	WTR USE	WS AH TE RD	L O G T	C O R T	O W N
MAGMA COPPER CO BOX 100 MIAMI	A	1.0	13.0	01	B B D	55-528861	0840	0835	18	0250	00660	10/05/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO BOX 100 MIAMI	A	2.0	13.0	36	C C C	55-528863	0920	0920	18	0095	00030	10/27/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO BOX 100 MIAMI	A	1.0	13.0	01	B B B	55-528179	0620	0580	18	0105	00600	6/11/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO BOX 100 MIAMI	A	1.0	13.0	01	B B A	55-528180	0620	0610	18		00870	7/11/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO BOX 100 MIAMI	A	1.0	13.0	02	A A D	55-528181	0820	0805	12	0160	00075	8/01/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO BOX 100 MIAMI	A	1.0	13.0	01	B C C	55-528182	0740	0740	12	0243	00260	9/02/1990	360	I	07	X	X	
AZ 85539																		
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	D	4.0	9.0	28	D D B	55-547802	0520	0509	06	0130		7/02/1995	314	M	U8	X	N	
162 AZ 85704																		
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	D	4.0	9.0	28	D D B	55-547803	0530	0514	04	0127		6/21/1995	360	M	15	X	N	
162 AZ 85704																		
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	D	4.0	9.0	28	D D B	55-547804	0510	0454	04	0128		6/19/1995	360	M	15	X	N	
162 AZ 85704																		
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	D	4.0	9.0	28	D D B	55-547805	0320	0306	04	0128		7/04/1995	314	M	U8	X	N	
162 AZ 85704																		
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	D	4.0	9.0	28	D D B	55-547806	0519	0507	06	0130		6/29/1995	314	M	U8	X	N	
162 AZ 85704																		



**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**REQUEST FORM TO CHANGE WELL INFORMATION  
OWNERSHIP \* DRILLER \* VARIANCE**

Please complete the appropriate section of this request form and return to the above address with applicable fee.  
**NOTE:** A.R.S. § 45-593.C requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

**1. CHANGE OF WELL INFORMATION: (NO FEE REQUIRED)**

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

WELL REGISTRATION NO. 55- 547807 FILE NO: D(4-9)2800DB

If known, I/We request the following well information be changed: \_\_\_\_\_

NAME CHANGE ONLY

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

**2. STATEMENT OF CHANGE OF WELL OWNERSHIP: (\$10.00 FEE REQUIRED)**

**NOTE:** If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate fee of \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

\_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  of Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 Acre 40 Acre 160 Acre

Well Registration No. 55- See attached File No.: \_\_\_\_\_ (if known)

Magma Copper Company  
PRINT Previous Owner's Name

BHP Copper Inc.  
PRINT New Owner's Name

7400 North Oracle Road, Suite 200  
Mailing Address

7400 North Oracle Road, Suite 200  
Mailing Address

Tucson Arizona 85704  
City State Zip

Tucson Arizona 85704  
City State Zip

520-575-5600  
Telephone Number

520-575-5600  
Telephone Number

Signature of Previous/New Well Owner By: [Signature]  
Title: Land Manager

Date x 4-23-96

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004-3903  
Phone (602) 417-2470 Fax (602) 417-2422

**3. REQUEST TO CHANGE WELL DRILLER     \$10.00 FEE REQUIRED FOR EACH WELL**

This request must be received by this Department and the Drill Card issued to the new drilling firm prior to the drilling or completion of any well.

Well Registration No. 55- \_\_\_\_\_ File No: \_\_\_\_\_

\_\_\_\_\_  
Original Well Driller

\_\_\_\_\_  
New Well Driller

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
ADWR License Number

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
R.O.C. License Category

\_\_\_\_\_  
Typed or Printed Name of Well Owner

\_\_\_\_\_  
Signature of Well Owner

\_\_\_\_\_  
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

**4. REISSUE OF DRILLING AUTHORITY FOR VARIANCE REQUEST: (\$10.00 EACH WELL)**

**NOTE:** If extraordinary or unusual conditions exist, after the initial drilling authority has been issued, the well owner or well driller may request a variance from the provisions of R12-15-811.

WELL REGISTRATION NO. 55- \_\_\_\_\_ FILE NO: \_\_\_\_\_

**I/WE REQUEST THE FOLLOWING WELL DRILLING AUTHORITY BE REISSUED PER THE ATTACHED VARIANCE REQUEST:**

Signature of Well Owner/Well Driller \_\_\_\_\_ Date \_\_\_\_\_

## NAME: MAGMA COPPER CO

GRID: I 09

REPORT NO: WL9020

ARIZONA DEPARTMENT OF WATER RESOURCES WELL REPORT  
OPERATIONS DIVISION

PAGE 5,080

REPORT DATE: 1/31/96

\*\*\*\* WELLS SEQUENCED BY ALPHABETICAL ORDER \*\*\*\*

FULL-NAME	Q U A D	T O W N	R N G E	S E C T	Q T R 1 2 3	REG NO	WELL DEPTH	DEPTH CASED	CD AI SA EM	WATER LEVEL	PUMP (GPM)	WELL DRILL DATE	DRL LIC NO.	WTR USE	WS AH TE RD	L O R G T	C O W N
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539467	0105	0105	01		6/14/1993	269	T	07	X	N
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	162 AZ	85704	D	4.0	9.0	28 D D B	55-547807	0320	0309		0127	6/30/1995	314	M	U8	X	N
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	162 AZ	85704	D	4.0	9.0	28 C B A	55-547808	1475	1449	04	0164	7/14/1995	314	M	U8	X	N
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	162 AZ	85704	D	4.0	9.0	33 B A C	55-547809	0240	0228	05	0117 00014	6/18/1995	360	M	U8	X	X
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539468	0040	0040	01		6/15/1993	269	T	07	X	N
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539469	0130	0130	01		6/16/1993	269	T	07	X	N
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539470	0170	0170	01		6/18/1993	269	T	07	X	N
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539471	0040	0040	01		6/21/1993	269	T	07	X	N
MAGMA COPPER CO PO BOX 100 MIAMI	AZ	85539	A	1.0	13.0	24 B B C	55-539472	0220	0220	01		6/22/1993	269	T	07	X	N
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	AZ	85704	D	15.0	23.0	31 C C A	55-549073						028	N	12	I	N
MAGMA COPPER CO 7400 N ORACLE RD TUCSON	AZ	85704	D	16.0	23.0	06 B B B	55-549072						028	N	12	I	N

# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## 3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm PRIOR to the drilling or completion of any well.

Well Registration No. 55- 547806 File No. D(4-9)28dbd

ARIZONA BEEMAN DRILLING LLC  
Original Well Driller

STEWART BROTHERS DRILLING CO.  
New Well Driller

P.O. Box 3370 Apache Junction, AZ 85217  
Mailing Address

P.O. Box 20671 MILAN, N.M. 87021  
Mailing Address

360  
ADWR License Number

314  
ADWR License Number

CLASS A04-102429  
R.O.C. License Number

A04 LIC# 075379  
R.O.C. License Number

John T. Kline  
Typed or Printed Name of Well Owner

John T. Kline  
Signature of Well Owner

6/26/95  
Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

DWR-55-71-8/94(Rev)

ENTERED JUL 20 1995

# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP \* DRILLER

JUL 28 2 30

Please complete the appropriate section of this request form and return to the above address with applicable fee. **NOTE:** A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

**SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, CHANGES IN ADDRESS, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.**

### 1. CHANGE OF WELL INFORMATION

NO FEE REQUIRED

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55- 517806 File No. D(4-9)28ddb (If known)

I/We request the following well information be changed: (1) Well location: change from  
SE 1/4 (10 ACRE) TO NW 1/4 (10 ACRE), NW 1/4 (40 ACRE) TO SE 1/4 (40 ACRE)  
Therefore change file # to D(4-9)28ddb

Date 6/21/95 Signature of Current Well Owner [Signature]

ENTERED JUL 20 1995

### 2. STATEMENT OF CHANGE OF WELL OWNERSHIP

\$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, \_\_\_\_\_, state that I am the Previous/New Owner of the well described below:

\_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4; Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 acre 40 acre 160 acre

Well Registration No. 55- \_\_\_\_\_ File No. \_\_\_\_\_ (If known)

PRINT Previous Owner's Name \_\_\_\_\_

PRINT New Owner's Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Telephone \_\_\_\_\_

Date \_\_\_\_\_ Signature of Previous/New Well Owner \_\_\_\_\_

DWR-55-71-8/94(Rev)

D 040 090 28 DBD WR 547806 FILE TYPE: APPLICATION WELL TYPE: MONITOR PIEZ

DATE ISSUED: 02 10 995 PLANNED PUMP CAP:

NAME: MAGMA COPPER CO

IN CARE OF:

7400 N ORACLE RD 162

TUCSON

AZ 85704

ACCURACY: NOT VERIFIED

WATER USES: MONITORING

AREA: PINAL AMA

SUB-BASIN: ELOY

WATERSHED: UPPER GILA RIVER

WELL USES: MONITOR

COUNTY: PINAL

OWNER: PRIVATE

DRILLER: 360

WELL DPTH:

CASE DIAM:

CASE DPTH:

METH DET:

PUMP CAP:

FINISH:

ACRES IRR:

YIELD:

DRAW DOWN:

WATER LVL:

LIFT:

POWER:

DATE COMPLETED:

POU #1:

POU #2:

STATUS: DATA X OWN

LOG I CRT N PQ NBR:

IPQ STATUS:

ENTER - READ NEXT RECORD

CLEAR TO RETURN TO SELECTION CRITERIA

ARIZONA DEPARTMENT OF WATER RESOURCES

P E R M I T

PERMIT NO. 59-553667

STATE OF ARIZONA                    )  
  )ss.  
County of Maricopa                    )

Approval is herein granted, pursuant to A.R.S. §45-519.01, for the permittee to construct and/or operate wells for hydrologic testing. This approval is expressly limited to the specific location, withdrawal limitations, testing purpose and duration as set forth below. If the permittee wishes the Department to review the imposition of any of the limitations or special conditions, he may ask for such a review within fifteen (15) days of receipt of this Permit.

Applicant:                               Magma Copper Company  
  14605 East Hunt Highway  
  Florence, Arizona 85232

Active Management Area: Pinal                               Subbasin: Eloy

Authorized purpose of hydrologic testing: Materials Properties Testing

Total amount of groundwater to be withdrawn: Less than 10 acre feet

Duration of permit: February 20, 1996 to May 20, 1996

Authorized Well(s):

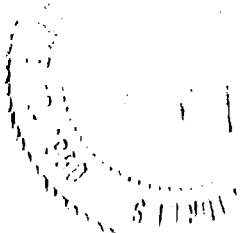
<u>Registration Number</u>	<u>File Number</u>
55-547811	D(4-9)28 cba
55-549167	D(4-9)28 daa
55-549161	D(4-9)28 cca
55-547810	D(4-9)28 cba
55-547806	D(4-9)28 dbd
55-547807	D(4-9)28 dbd

Conditions of the permit:

- ° Within sixty (60) days, upon completion of logging and testing, the permittee shall provide the results of the test data to the ADWR Hydrology Division for evaluation.
- ° This approval for test wells and pump test does not constitute a commitment by the Department for the granting of a withdrawal permit or converting the test well into a production well.

Witness my hand and seal of office this 20th day of February, 1996.

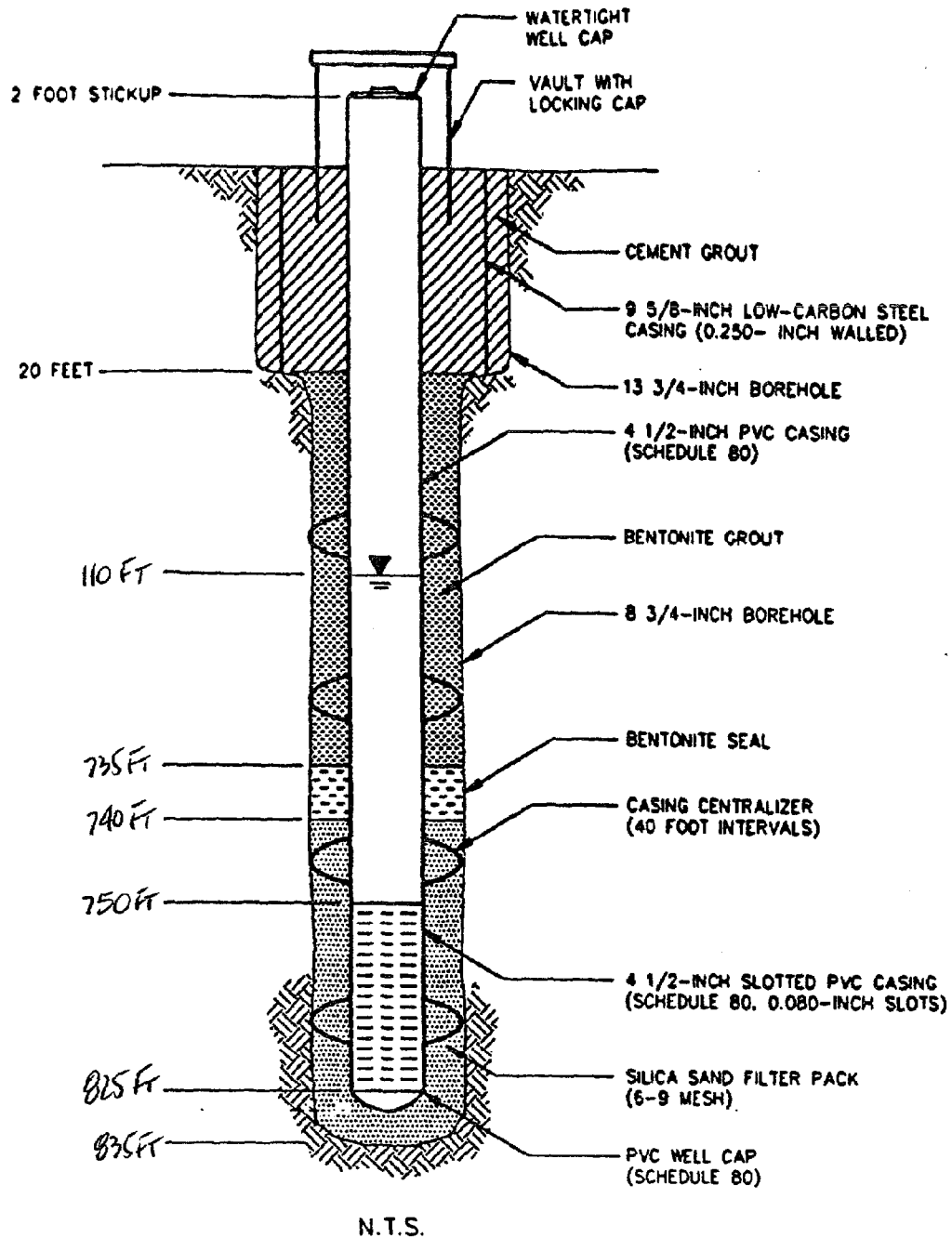
Katharine L. Jacobs  
Katharine L. Jacobs, Acting Assistant Director



FEB 2 1995

OPERATIONS DIV.

0821-3

**NOTES:**

1. PVC = POLYVINYL CHLORIDE
2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

**WELL DESIGN****BROWN AND CALDWELL**



**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 N 3RD ST., PHOENIX, AZ. 85004  
Telephone (602) 417-2470  
Fax (602) 417-2401



FIFE SYMINGTON  
Governor

RITA P. PEARSON  
Director

February 9, 1995

MAGMA COPPER  
7400 N. ORACLE RD. S162  
TUCSON, AZ. 85704

RE: Registration No. 55-547802 THRU 55-547807

File No. D(4-9)28DBD

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

  
Ellen Kane

Groundwater Permit Specialist

BROWN & CALDWELL  
3636 N. CENTRAL AVE. S300  
PHOENIX, AZ. 85012

STATE OF ARIZONA  
DEPARTMENT OF WATER RESOURCES  
OPERATIONS DIVISION  
15 SOUTH 15TH AVENUE  
PHOENIX, ARIZONA 85007  
(602) 542-1581

ENTRY CODE 55

FILE NO. VARIOUS 547802 THRU 547812

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO DRILL WELLS	\$10.00	\$120.00
2/8/95/ek CK#7532		\$120.00

CHECK NO. FEE ACCOUNT NO. TOTAL \$

CHIT NO. RECEIVED BY DATE

**ARIZONA DEPARTMENT OF WATER RESOURCES  
OPERATIONS DIVISION**

500 North Third Street  
Phoenix, Arizona 85004-3903  
Phone (602) 417-2470

**DUPLICATE**

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547802 THRU 55-547807

AUTHORIZED DRILLER: BOYLES BROS. DRILLING CO.

LICENSE NO. 28

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO.

7400 N. ORACLE RD. S162

TUCSON

AZ 85704

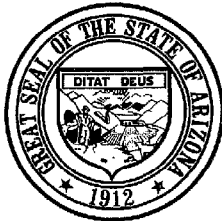
The well(s) is/are to be located in:

SE 1/4 NW 1/4 SE 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST  
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 6

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON FEB 1ST, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF  
COMPLETION OF DRILLING.



  
CHIEF, OPERATIONS DIVISION

# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## 3. REQUEST TO CHANGE WELL DRILLER \$10.00 FEE REQUIRED FOR EACH WELL

This request must be received by this Department and the Drill Card issued to the new drilling firm PRIOR to the drilling or completion of any well.

Well Registration No. 55- 547806 File No. D(4-9)28 dbd

BOYLES BROTHERS DRILLING  
Original Well Driller

ARIZONA BEEMAN DRILLING LLC.  
New Well Driller

6527 W. NORTHVIEW AVE.  
Mailing Address GLENDALF, AZ 85301

P.O. Box 3370 APACHE JUNCTION, AZ. 85217  
Mailing Address

28  
ADWR License Number

360  
ADWR License Number

CLASS A-04 - 076 - 386 - 002  
R.O.C. License Number

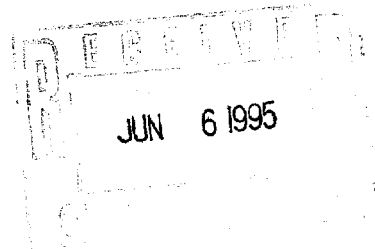
CLASS A-04 - 102429  
R.O.C. License Number

JOHN T. KLINE John T. Kline 5/25/95  
Typed or Printed Name of Well Owner Signature of Well Owner Date

The fee charge for well ownership and reissue of drill card is authorized by R12-15-151, effective June 30, 1994.

DWR-55-71-8/94(Rev)

ENTERED JUN 20 1995



# ARIZONA DEPARTMENT OF WATER RESOURCES

Operations Division, 500 North Third Street  
Phoenix, Arizona 85004 Telephone (602) 417-2470

## REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP \* DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. **NOTE:** A.R.S. §45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

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### 1. CHANGE OF WELL INFORMATION

NO FEE REQUIRED

**NOTE:** If the location of the proposed well changes after drilling authority has been issued, attach a \$10.00 reissue fee for each well.

Well Registration No. 55-\_\_\_\_\_ File No. \_\_\_\_\_ (If known)

I/We request the following well information be changed: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date \_\_\_\_\_ Signature of Current Well Owner \_\_\_\_\_

### 2. STATEMENT OF CHANGE OF WELL OWNERSHIP

\$10.00 FEE REQUIRED

If this change consists of more than one well and the names are common: attach a \$10.00 fee. Otherwise, each well requires a separate \$10.00.

I, \_\_\_\_\_, state that I am the **Previous/New Owner** of the well described below:

\_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$ ; Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
10 acre 40 acre 160 acre

Well Registration No. 55-\_\_\_\_\_ File No. \_\_\_\_\_ (If known)

PRINT Previous Owner's Name \_\_\_\_\_

PRINT New Owner's Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Telephone \_\_\_\_\_

Date \_\_\_\_\_ Signature of Previous/New Well Owner \_\_\_\_\_

**ARIZONA DEPARTMENT OF WATER RESOURCES  
OPERATIONS DIVISION**

500 North Third Street  
Phoenix, Arizona 85004-3903  
Phone (602) 417-2470

**REISSUE**

**DUPLICATE**

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 55-547802 THRU 55-547807

AUTHORIZED DRILLER: AZ BEEMAN DRILLING

LICENSE NO. 360

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO.

7400 N. ORACLE RD. S162

TUCSON

AZ 85704

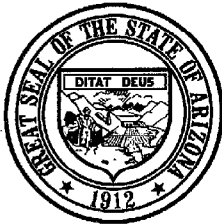
The well(s) is/are to be located in:

SE 1/4 NW 1/4 SE 1/4 Section 28 Township 4.0 SOUTH Range 9.0 EAST  
10 acre 40 acre 160 acre

NUMBER OF WELLS IN PROJECT: 6

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON FEB 1ST, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF  
COMPLETION OF DRILLING.



  
CHIEF, OPERATIONS DIVISION

ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION  
500 North Third Street  
Phoenix, Arizona 85004-3903

REISSUE

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO: 55-547806

AUTHORIZED DRILLER: STEWART BROS.

LICENSE NO: 314

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

MAGMA COPPER CO.

The well(s) is/are to be located in:

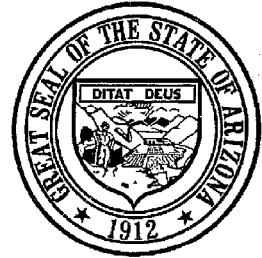
NW 1/4 of the SE 1/4 of the SE 1/4 Section 28 Township 4S Range 9E

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON 2/1/96

\_\_\_\_\_  
CHIEF, OPERATIONS DIVISION



THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF  
COMPLETION OF DRILLING.



**RECEIPT****Nº 21708**

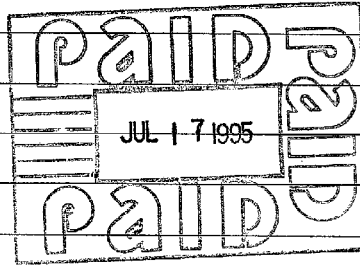
BROWN & CALDWELL  
3636 N. CENTRAL AVE. S300  
HOENIX, AZ. 85012

STATE OF ARIZONA  
DEPARTMENT OF WATER RESOURCES  
500 NORTH 3RD STREET  
PHOENIX, ARIZONA 85004  
(602) 417-2470

ENTRY CODE 55

FILE NO. VARIOUS 547802 - 547807 549140 THRU 549141 547809 549172 547813

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO REISSUE DRILL CARDS	\$10.00	\$120.00
7/17/95/ek CK#7588		\$120.00



CHECK NO. \_\_\_\_\_ FEE ACCOUNT NO. \_\_\_\_\_ TOTAL \$ \_\_\_\_\_

CHIT NO. \_\_\_\_\_ RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_

IPS 1821 - Rev. 4/91